

SCOOP THE CUB REPORTER

Another One Like That and They'll Run You Out of Town

Butler Theatre
THE POPULAR LITTLE
PLAYHOUSEUp-To-Date Motion Pictures
MATINEE EVERY AFTERNOON

1.30 and 2.30 p. m.

Entire Change of Program
EVERY EVENING

Admission - 10c

Evening Performances Commence
at 7 o'clock.

PHYSICIANS

DR. ROBERT O'NEAL
PHYSICIAN AND SURGEON

OFFICES: STATE BANK BLDG.

Hours:

10 to 12 a. m.—2 to 4, 7 to 8 p. m.

Residence: Edwards and Odd Streets.

PHONE 292 and 293

DR. P. D. McLEOD

State Bank Building

Rooms 414-415

R. FRED BROWN
STOCK BROKERAll Southern Nevada Stocks
bought and sold on San
Francisco, Philadelphia Ex-
changes and New York Curb111 Main Street
TONOPAH, : : : NEVADAThe Cobweb
STATE BANK BLDG.We handle the Best Wines,
Liquors and Cigars.7-Year Old
Lacey WhiskyReturns by wire received on all
important sporting events.

The Cobweb

JOHN MANION, NICK ABLE-
MAN, Props.Tonopah & Tidewater
RailwayThe Short Line to
LOS ANGELESThru Sleeper
from Goldfield

Leave Tonopah - 8:36 a.m.

Arrive Los Angeles - 8:55 a.m.

Fast Freight Service

D. ASPLAND, H. T. GRISAP,

General Agent, Fri. and Pass. Agt.

115 E. Main St., Goldfield,
Nevada

Mizpah Hotel

Modern hotel where every reason-
able tariff prevails. HOT AND
COLD RUNNING WATER IN EACHROOM. Rooms with or without
private baths; single or en suite.

COMMERCIAL RATES

SALOON, POOL

—AND—

BILLIARD PARLOR

SAM UMIS, Mgr.

BUDWEISER

Draught and Bottled

SPECIALTIES—Old Crow and
Belmont Blue Grass Whiskies.
All Standard Brands Cigars.

Pay Day Checks Cashied

Wittenberg Warehouse &
Transfer Company

Exclusive Agents

FOR

Genuine Rock
Springs Coal...H. E. EPSTINE
Stock Broker

ESTABLISHED 1905

Southern Nevada Securities
bought and sold on San Fran-
cisco and Philadelphia Stock
Exchanges and New York Curb.

MAIN STREET

H. H. BACON
REAL ESTATESOME OF OUR BEST BAR-
GAINS

FOR SALE

1 room house, 12x16,

studded-trunk building,

furnished, \$175.00

2 rooms splendidly fur-

nished, and lot, \$200.00

3 room house and double

corner lot, only \$300.00

5 room house, furnished,

double corner lot \$550.00

6 rooms, furnished, cor.

lot, Bryan Ave.; only \$750.00

National Cash Register \$30.00

6-room house, furnished,

corner lot \$1100

Payments

And several small snaps.

When Going to
Goldfield

Meet your friends and make

your home at the

CALIFORNIA BEER HALL

FUETSCH BROS., Props.

ASSESSMENT NOTICE

Rescue-Eula Mining Company.

Location of principal place of busi-

ness, San Francisco, California. Lo-

cation of works, Tonopah, Nye County,
Nevada.

Notice is hereby given that at a

meeting of the Board of Directors,

held on the 26th day of March, 1914,

an assessment (No. 6) of one (1)

cent per share was levied upon the

capital stock of the corporation, pay-
able immediately in United Statesgold coin, to the Secretary, at the of-
fice of the Company, Room 265 Russ

Building, San Francisco, California.

Any stock upon which this assess-

ment shall remain unpaid on the 21st

day of April, 1914, will be delinquent

and advertised for sale at public auc-

tion, and unless payment is made be-

fore, will be sold on Wednesday, the

27th day of May, 1914, to pay the

delinquent assessment, together with

the cost of advertising and expenses

of sale.

By order of the Board of Directors,

CHARLES D. OLNEY,

Secretary.

Office, Room 265 Russ Building,

San Francisco, California. M23-A21

No trouble to get anything in the

world with a Bonanza want ad.

Tonopah Engineer Suggests
How to Bore Six Mile Tunnel

Branch H. Smith, superintendent of the Monarch Pittsburg of Tonopah, given Colorado people the benefit of his suggestions for building the Moffat tunnel six miles long through the heart of the Rocky mountain continental divide. In a long article in the Denver Post he describes measures that should be taken to make rapid work and indicates how vast economies may be effected. The article is given in part as follows:

Work will, of course, be started simultaneously at both the east and west portals; and the heading, which we will assume to be seven feet in height and 16 feet in width, will be driven (assuming the total length to be 32,000 feet) 16,000 feet, whereupon a connection will be had. When this connection is made, each crew will return to their respective entrance and there commence taking down the back with stopping drills, or, in other words, "stope out the roof."

Before any work should be attempted, equipment of good and sufficient capacity should be carefully and correctly installed at each portal. A plentiful supply of extras should at all times be kept on hand. The buildings, such as blacksmith and machine shops, timber shed, etc., should be equipped with the latest and most modern machinery. All tools should be carefully inspected and kept in perfect repair. No artisan, can do good work without good tools and plenty of them.

In driving the first heading, four or five piston drills should be operated in shifts of six hours each, thereby drilling and blasting a good round four times in every 24 hours. A large colliery blower equipped with a bi-pass (which will enable suction also) capable of about 2000 cubic feet of air per minute, would almost permit an immediate return to the face after blasting. If water be handy, an automatic spray should be arranged for cooling after blasting also.

Before each round is blasted, a large sheet of boiler plate of about one-half inch thickness and about 15 by 20 feet square should be laid. After the shots are fired and the crew return to the face, this plate is moved back about 10 feet, which enables the machine men, with very little mucking, to immediately rig up their machines and start drilling. Since this sheet of boiler plate is of itself considerable weight, some may wonder how it can be moved with its additional load of muck. Lugs are riveted on both ends and the rear end has a very slight upward curve to keep the same from plowing or "biting" the bottom when being moved. Stout chains are fastened to these lugs, which are in turn fastened to a powerful winch, which pulls this enormous load with the same ease as does a child pull a sled.

The muck having been cleared from the face, and the machine men drilling, the mucking machine is brought up to the boiler plate and started, which loads the cars almost as fast as they can be switched and

a train made up. For the purpose of handling these cars, it will require three or more motors, two of the trolley type and one of the storage battery, the latter to act as a switching engine and the former to make the outside trips.

Some difference of opinion exists as to the economy and feasibility of the six-hour shifts over that of the eight-hour, and as a detailed discussion of this problem would take up too much space at this time, we will pass it by saying, that, like a sailor, "We have to adjust our sails according to the wind," and as rapidly as one of the essential features in the construction of this project, we favor the six-hour shift until such time as a connection is had.

From a scientific study of the labor problem, it has been absolutely proven that there are three essentials necessary to obtain a high standard of efficiency, and these essentials are: First, good wages, which means a stomach full of good grub; second, good tools and a liberal supply; third, good conditions under which to labor. Therefore, since the nature of a miner's employment in a tunnel, whose prosecution will always be of the most rapid and vigorous character, is very strenuous, he must be and is entitled to enjoy the best possible working conditions. He will and can well afford to exert every ounce of his physical being during his six hours in the face, as will every other machine man, with the result that the contractor is receiving the highest obtainable efficiency under this plan.

As to the plan of making a connection first before taking down the back, some objection may be voiced, in that no other work will be carried on during the driving of this first heading and ditch, which will probably take a little over two years, and that the entire dimension might as well be taken at the same time. While it is probably true (although the writer is not fully convinced at this time) that the tunnel's completion might be more expeditious, yet there are so many good features in the "connection-first plan" that the matter of difference in time pales into insignificance, to-wit:

First, From a "safety first" point of view, we shall have God's own natural ventilation when taking down the back, which is far superior to any artificial ventilation yet discovered and which will be an important factor in eliminating "miners' phthisis," more commonly called "miners' consumption." The average life of miners who work in hot, gaseous and dusty places of this character is very short, and examinations of the lungs of miners who have died with this disease have shown as much as 25 per cent extraneous matter.

In driving the first heading we will assume that it will take from 75 to 100 pounds of dynamite for each round, or about 300 or 400 pounds per 24 hours; and if blasting is had in both heading and bench, or benches, as the case may be, the amount will increase correspondingly, with the result that ventilation will not per-

mit as speedy a return to the face. Of course, natural ventilation could be had by driving an air drift or, if the contour of the surface permits, raises could be run at certain intervals, but these would take considerable time and money.

In the recent New York aqueduct it was first necessary to sink two shafts, 750 and about 450 feet respectively, to get under the Hudson river before commencing the bore. This tunnel is 16 feet square and was driven by the heading and bench system at a considerable cost and some loss of life. Three eight-hour shifts were employed, and the muck from the heading was handled in the usual crude manner, viz., hard shoveling, wheelbarrows and staging, all of which necessitated the employment of a great number of men, who were, to a considerable extent, in each other's way. As blasting was done two and three times, generally the latter, every 24 hours, the workmen were being constantly "knocked out" by powder smoke and gas, and in one case death resulted. Hence, if one life can be spared by "delaying" the tunnel's completion six months, the delay would seem worth while.

Second: Any one at all familiar with mining can, at a glance, see the great economy in the "connection-first and stopping plan."

The handling of muck has always been the great bugaboo in railway tunnels, but with the "connection-first and stopping plan" this problem is solved.

In following the bench system men are very often, and I may say continuously, compelled to work so close together that each is in the other's way, and delay after delay is occa-

sioned. The percentage of minor accidents is also greater.

Since the New York aqueduct did not require timbering, we are at a loss, from observation, to know why the connection-first and stopping plan was not adopted, unless it was because it has always been the custom to drive large tunnels with the bench system, and it was simply a matter wherein custom prevailed.

In the connection-first plan, the back can be stopped, putting it roughly, at about one-tenth the cost of "pulling a bench" and correspondingly so if a second bench is carried. Progress can be made far in excess of any known method of removing the rock, as an unlimited number of stopping drills can be operated and any amount of dynamite exploded without any injurious effects. The machine men are always working in advance and out of the way of the timber men, track men and muckers, and thus the workmen would not be standing around, so to speak, on each other's feet. The workmen would at all times be supplied with pure, fresh air, thereby enabling them to give their very best efforts. Should occasion require, blasting could be resorted to every five minutes without the least inconvenience.

As has been stated, the writer not having been advised as to the exact specifications, and being some 1200 miles distant, has not provided for such contingencies as encountering unusually heavy and swelling ground, large flow of water, quicksand, natural gas, etc., etc., any of which might necessitate a special method.

However, if conditions are anywhere near normal, it would seem that the "connection-first and stopping plan" is the most systematic and economical which can be employed.

ANNUAL STATEMENT

Of the Jim Butler Tonopah Mining Company for the year ended December 31, 1913:

Cash on hand, Dec. 31, 1912

1912

Receipts during year

Disbursements during year

Cash on hand, Dec. 31, 1913

K. KITTO,

Sec. and Treas.

ANNUAL STATEMENT

Of the Belmont Milling Company for the year ended December 31, 1913:

Cash on hand, Dec. 31, 1912

1912

Receipts during year

Disbursements during year

Cash on hand, Dec. 31, 1913

K. KITTO,

Sec. and Treas.

ANNUAL STATEMENT

Of the Goldfield Belmont Mining Company for the year ended December 31, 1913:

Cash on hand, Dec. 31, 1912

1912

Receipts during year

Disbursements during year

Cash on hand, Dec. 31, 1913

K. KITTO,

Sec. and Treas.

Foundry and Machine Works

GENERAL FOUNDRY WORK
Cast Iron, Hard Iron, Brass,
Bronze and Aluminum Cast-
ings.Repair work of all descrip-
tions.
Our automobile department
thoroughly equipped.

CAMPBELL & KELLY, Inc.

THE
NORTHERN

WHERE DO YOU EAT?

AN IMPORTANT QUESTION.

Your health depends upon the right answer. This matter of food should be given more attention by each individual. It is true the government has passed

... ALL KINDS OF ...

Furniture Wanted

CHAIRS, TABLES
and DRESSERS

HIGHEST PRICES PAID

... AT THE ...

Red Front Store

207 ERIE MAIN ST.
Next Valley View Hotel

AT THE BIG CASINO

Two reels of independent motion pictures which have never been shown here before will be produced at 8:30 p. m. and 10:30 p. m. Entire change of program every evening. JMT

NOTICE TO PARTNERS.

William Pierce, your heirs, executors and assigns. You are hereby notified that the undersigned have expended during the years 1912 and 1913 the annual amount of money, in labor and improvements necessary to comply with the annual assessment law upon the Dividend, Dividend No. 1, Dividend No. 2 and Dividend No. 3 quartz mining claims situate in the Ellendale Mining District, Nye County, Nevada. Said expenditures were made for the purpose of holding possessory right and title to said mining claims under the provisions of Section 2324 of the Revised Statutes of the United States. If you fail to contribute your proportion of such expenditure as a co-owner in and to the above-mentioned mining claims, your proportion being in the sum of an aggregate \$177.77 for the said two years, your interest in said claims will become the property of the undersigned, who have made the expenditures and improvements as above-mentioned, pursuant to the provisions of said statutes.

CHARLES COURT,

GEORGE CLARK,

Date of first publication, January 2, 1914.

J5to44

IN THE DISTRICT COURT OF THE

FIFTH JUDICIAL DISTRICT OF

THE STATE OF NEVADA, IN AND

FOR THE COUNTY OF NYE.

In the matter of the Estate of Grace

L. Crony, deceased. Notice to

Creditors

Notice is hereby given, that the un-

dersigned has been duly appointed and

qualified by the District Court of the

Fifth Judicial District of the State of

Nevada, in and for the County of Nye,

as Administrator of the Estate of

Grace L. Crony, late of said County,

deceased.

All creditors having claims against

said estate are required to file the

same, with proper vouchers attached,

with the Clerk of the Court, within

ninety days of the first publication of

this notice.

Dated Dec. 29, 1913.

CHAS. E. COBLE,

Administrator.

J. A. SANDERS, Attorney

Date of 1st publication, Dec. 29, 1913.

D29toM30

ATTORNEYS

Wm. FORMAN

LAWYER

218-219 State Bank and Trust Co.

Building

Tonopah Nevada

HUGH H. BROWN

Attorney at Law

Office: 212-213 State Bank and

Trust Co. Building

TONOPAH NEVADA

H. R. COOKE

ATTORNEY-AT-LAW

NOTARY PUBLIC

Offices now located on fifth floor

State Bank and Trust Building,

TONOPAH NEVADA

J. A. SANDERS

Attorney at Law

Will practice in all courts of the

State

Office: Court House

THE PURE FOOD LAW

but there is no law against dirty,

ignorant cooks. "What do you eat?"

and "How is it prepared?" are just

as important. We answer these ques-

tions to the satisfaction of both your

palate and health.

Montana Cafe

Progress Bakery

stands forth the very best in high

grade bread. "Progress Bread" will

certainly please you. It is made

from the best wheat by scientific

methods in our up-to-the-minute

bakery. It is absolutely clean. Of

course, we bake daily the latest crea-

tions in pies and cakes.

PROGRESS BAKERY,

Granite St. Peter Fabian, Prop.

DENTISTS

Dr. T. A. Musante

...DENTIST...

Rooms 414-415 State Bank Building

PHONE 942

TONOPAH : : : NEVADA